ABSTRACT OF THE DISCLOSURE

A process for automatically removing packages in a winding station of a yarn winding machine, having elements (1) for holding and disengaging a full package (2), a winding guide (3) guiding the yarn to be wound during winding, a bar (7) for disengagement from the winding guide (3), a package drive (4), heads (5) for gripping and holding the spool (6) and a device (8) for supplying the station with spools (6). The process includes providing, during each removal cycle, a relaxation of the tension of the supply yarn, then restarting a new winding cycle after completing the removal cycle. The invention is more particularly applicable to the field of the textile industry, in particular machines for winding yarns.